

WHAT IS CLAIMED IS:

1. A fastening structure of a heat sink having a plurality of fins spaced from each other by a first gap, the fastening structure comprising a pair of locking members, and each of the locking members including at least one
5 resilient flap to be inserted into one of the first gaps.

2. The fastening structure of Claim 1, wherein each of the locking members further includes a vertical plate, the vertical plate includes the flap extending from a top edge thereof and a pair of wings extending from two opposing side edges thereof.

10 3. The fastening structure of Claim 2, wherein the outermost fins of the heat sink is partitioned into two rectangular members separated to each other by a second gap, each including an upper inner surface and a lower inner surface protruding from the inner surface, and each of the lower inner surfaces has a top edge descending gradually from the second gap.

15 4. The fastening structure of Claim 1, wherein each locking member further comprising a pair of hooks and a pair of loops engageable with the hooks.

5. A fastening structure to secure a heat sink to a heat generating device on a board, the heat sink includes a plurality of vertically extending fins spaced by each other by a first gap, the fastening structure comprising:

20 a pair of blocking members, each comprising:

a horizontal plate;

a pair of arms extending from two opposing sides of the horizontal plate, each of the arms terminated with a hook;

25 a pair of loops formed on the board, the loops being positioned and configured to be engageable with the hooks;

a vertical plate extending perpendicularly from one end of the horizontal plate;

a pair of wings extending from two opposing sides of the vertical plates; and

a pair of resilient flaps extending from top edges of the wings.

6. The fastening structure of Claim 5, wherein each of the two
5 outermost fins of the heat sink is partitioned into two rectangular members spaced with each other by a second gap.

7. The fastening structure of Claim 6, wherein each rectangular member has an inner surface, and the inner surface includes an upper portion and a lower portion protruding from the upper portion.

10 8. The fastening structure of Claim 7, wherein the lower portion has a top edge gradually descending from the second gap.

9. The fastening structure of Claim 8, wherein each of the wings has a lower edge gradually descending from two sides of the vertical plate.

10. The fastening structure of Claim 5, wherein the resilient flaps are
15 operative to exert a force against the outermost fins when the vertical plates are inserted between the outermost fins and the fins next thereto.

11. The fastening structure of Claim 5, wherein the horizontal plate further comprises a through hole and a fastener to fasten the horizontal plate with the board.

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